

IN THE CLAIMS

This listing of the claims replaces all prior listings.

Listing of Claims:

1. (Currently Amended) ~~A conversion~~ An apparatus ~~receiving a document and a script as receiving data,~~ comprising:
a receiving unit for receiving a document and a script as received data, the document including a script calling portion;
a memory for storing at least the script ~~extracted from~~ of the receiving received data, the memory being located on a server configured to receive and send data to a client;
computer-readable code for substituting ~~[[a]]~~ the script calling portion in the document with a portion for calling the script stored in said memory; and
computer-readable code configured to execute the script stored in memory in response to a request from the client,
wherein,
the execution of the script generates a device-control signal to control a device.
2. – 3. (Cancelled)
4. (Currently Amended) ~~A conversion~~ The apparatus according to claim 1, wherein said ~~conversion~~ apparatus is provided in a relay server for sending and receiving data to and from a client.
5. (Currently Amended) ~~A conversion~~ The apparatus according to claim 1, wherein said memory stores the document ~~and the script~~.
6. (Currently Amended) ~~A conversion~~ method comprising:
receiving a document and a script as ~~receiving~~ received data, the document including a script calling portion;

storing, in a memory located on a server configured to receive and send data to and from a client, at least the script ~~extracted from~~ of the receiving received data;

substituting ~~[[a]]~~ the script calling portion in the document with a portion for calling the script stored in said memory; and

executing the script stored in memory in response to a request from the client,
wherein,

the execution of the script generates a ~~device control~~ signal to control a device.

7. – 8. (Cancelled)

9. (Currently Amended) ~~A conversion~~ The method according to claim 6, wherein storing at least the script further includes storing the document ~~and the script~~.

10. (Currently Amended) A script conversion system comprising a relay server for sending and receiving data to and from at least one client, said script conversion system being used for requesting a document and displaying the requested document by said client, said relay server comprising:

a conversion means unit for receiving a document and a script, with the document including a script calling portion, extracting at least the script from the ~~document~~ received data ~~and the script~~ and storing the script in a storage means unit, substituting a script calling portion in the document with a portion for calling the script stored in said storage ~~means~~ unit, and outputting a resulting document as a converted document; and

a script execution means unit for executing the script,
wherein

said relay server sends the converted document to said client, and ~~[[a]]~~ the script called by said client is executed by said script execution ~~means~~ unit, ~~wherein and~~

the execution of the script generates a ~~device control~~ signal to control a device.

11. (Original) A script conversion system according to claim 10, wherein said client comprises a portable communication terminal.

12. (Currently Amended) A script conversion system according to claim 10, wherein said relay server receives the document directly from a document storage server ~~in which documents are stored~~, or indirectly from said document storage server via an external recording medium.

13. (Cancelled)

14. (Currently Amended) A script conversion system according to claim ~~[[13]]~~ 10, wherein said storage ~~means unit~~ comprises a script storage means unit, ~~and, when a display portion and the script, which form the document, are separately provided~~, said storage ~~means unit~~ stores the script in said script storage ~~means unit~~, and the script calling portion in the document is substituted with the portion for calling the script stored in said script storage ~~means unit~~.

15. (Currently Amended) A script conversion system according to claim 14, wherein ~~the display portion~~ the document and the script are separately provided directly from different document servers or indirectly from different document servers via external recording media.

16. (Currently Amended) A script conversion system according to claim 10, wherein said storage ~~means unit~~ comprises a document storage means unit for storing at least the document, and said storage ~~means unit~~ stores the document and the script in said document storage ~~means unit~~.

17. (Original) A script conversion system according to claim 10, wherein, when an execution result document obtained as a result of executing the script in said relay server is output, the execution result document is returned to said client, and is displayed in said client.

18. (Currently Amended) A script conversion system according to claim 10, wherein,

said client comprises an ID information storage ~~means~~ unit for storing ID information which specifies a caller, ~~and~~

said relay server comprises an authentication ~~means~~ unit for receiving the ID information from said client and for comparing the ID information with a list of ID information which is allowed to use said relay server, and ~~wherein~~

said authentication ~~means~~ unit determines whether said client is allowed to use said relay server based on an authentication result of said authentication ~~means~~ unit.

19. (Currently Amended) A script conversion system according to claim 18, further comprising:

an accounting ~~means~~ unit for performing accounting to bill the client which is determined to be allowed to use said relay server by said authentication ~~means~~ unit for the use of: a conversion function for receiving the document and the script, extracting at least the script from the document and the script and separately storing the script in said storage ~~means~~ unit, substituting the script calling portion in the document with the portion for calling the script stored in said storage ~~means~~ unit, and outputting a resulting document as a converted document; and

an execution function for executing the script in the converted document called by said client.

20. (Currently Amended) A script conversion system according to claim 19, wherein said accounting ~~means~~ unit updates accounting information corresponding to the ID information every time said client uses the conversion function and the execution function.

21. (Original) A script conversion system according to claim 10, wherein said relay server serves the functions of a document server by storing the document in said relay server in advance.

22. (Currently Amended) A script conversion method for requesting from at least one client to a document server to send a document via a relay server and displaying the requested document in said client and for displaying the received document, said script conversion method comprising:

receiving the document and a script as received data from said document server by said relay server, the document including a script calling portion;

extracting at least the script from the ~~document and the script~~ the received data;

storing the script in a storage means unit;

substituting ~~[[a]]~~ the script calling portion with a portion for calling the script stored in said storage ~~means~~ unit;

outputting a resulting document as a converted document;

sending the converted document to said client; and

executing, on the relay server, ~~[[a]]~~ the script in the converted document called by said client,

wherein,

the execution of the script generates a ~~device control signal~~ to control a device.

23. (Original) A script conversion method according to claim 22, wherein said client comprises a portable communication terminal.

24. (Cancelled)

25. (Currently Amended) A script conversion method according to claim 24, wherein said storage ~~means~~ unit comprises a script storage means unit, ~~and, when a display portion and the script, which form the document, are separately provided,~~ said storing step stores the script in said script storage ~~means~~ unit, and said substituting step substitutes the script calling portion with the portion for calling the script stored in said script storage ~~means~~ unit.

26. (Currently Amended) A script conversion method according to claim 25, wherein the ~~display portion~~ the document and the script are separately provided directly from different document servers or indirectly from different document servers via external recording media.

27. (Currently Amended) A script conversion method according to claim 22, further including storing the document in said storage ~~means~~ unit.

28. – 76. (Cancelled)

77. (Currently Amended) The ~~conversion~~ apparatus according to claim 1 further including a script execution unit located on the server and configured to execute the script stored on the server upon receiving an instruction from the client to execute the script.

78. (Currently Amended) ~~[[A]]~~ The ~~conversion~~ apparatus according to claim 77 wherein the memory further includes a document cache to store the document received from the document server.

79. (Currently Amended) ~~A-conversion~~ The apparatus according to claim 78 wherein, upon execution of ~~[[a]]~~ the script that indicates that a portion of the document is to be rewritten, the ~~conversion~~ apparatus is configured to rewrite the portion of the document stored in the document cache and send at least the portion of the rewritten document from the server to the client.

80. (Currently Amended) ~~A-conversion~~ The apparatus according to claim 78 wherein, upon execution of ~~[[a]]~~ the script that indicates that a portion of the document is to be rewritten, the ~~conversion~~ apparatus is configured to rewrite the portion of the document stored in the document cache, to store at least the portion of the rewritten document in the document cache, and to send to the client a link to the rewritten document.

81. (Currently Amended) ~~A conversion~~ The method according to claim ~~[[1]]~~ 6 further including:

storing the received document in a document cache located on the server;
executing the script stored in the memory in response to instructions from the client;
rewriting a portion of the document stored in the memory; and
sending at least the portion of the rewritten document from the server to the client.

82. (Currently Amended) ~~A conversion~~ The method according to claim ~~[[1]]~~ 6 further including:

storing the received document in a document cache located on the server;
executing the script stored in the memory in response to instructions from the client;
rewriting a portion of the document stored in the memory;
storing at least the portion of the rewritten document in the document cache; and
sending to the client a link to the rewritten document.

83. (Currently Amended) A script conversion system according to claim 10 further including a means unit for storing the document~~[[;]]~~,

wherein,

the script execution ~~means unit~~ further includes a means unit for rewriting a portion of the document upon execution of ~~[[a]]~~ the script that indicates that a portion of the document is to be rewritten~~[[;]]~~, and ~~wherein~~

said relay server sends at least the portion of the rewritten document to said client.

84. (Currently Amended) A script conversion system according to claim 10 further including a means unit for storing the document~~[[;]]~~,

wherein,

the script execution ~~means unit~~ further includes;

a means unit for rewriting a portion of the document upon execution of ~~[[a]]~~ the script that indicates that a portion of the document is to be rewritten;

a means unit for storing at least the portion of the rewritten document; and

a means unit for sending to the client a link to the rewritten document.

85. (Previously Presented) A script conversion method according to claim 27 further including:

rewriting, upon execution of the script, a portion of the document stored in the storage means; and

sending at least the portion of the rewritten document from the server to the client.

86. (Previously Presented) A script conversion method according to claim 27 further including:

rewriting, upon execution of the script, a portion of the document stored in the memory;

storing at least the portion of the rewritten document in the storage means; and

sending to the client a link to the rewritten document.